DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

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| :NOTICE: Failure to acknowledge : :all amendments may cause rejec- : :tion of the offer. See FAR :52.215-1 of Section 00100 : | Solicitation No. DACA45 02 R 0033<br>Date of Issue: 25 JUN 2002<br>Date of Receiving Proposals: 08 AUG 2002 |

Amendment No. 0003
30 July 2002

SUBJECT: Amendment No. 0003 to specification and drawings for Construction of CONTRUCT HYDRANT FUEL SYSTEM, PDC NO. QJVF 95-2002P1, MINOT AFB, NORTH DAKOTA.
Solicitation No. DACA45 02 R 0033.

TO: Prospective Offerors and Others Concerned

1. The specifications and drawings for subject project are hereby modified as follows (revise all specification indices, attachment lists, and drawing indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Section 16375A Page 18, following paragraph 2.9.1.5, add:

"2.9.2 Pad-Mounted, Metal-Enclosed, Switchgear

The switchgear shall be configured with 2 incoming compartments for loop-feed arrangement, equipped with air-insulated, load-interrupter switches. The outgoing compartments shall be provided with air-insulated switches with fuse compartments. The switches shall be rated 600 amps and the fused compartments shall be rated 200 amps. Provide 140 amp fuses for the one section being used.

2.9.2.1 Ratings at 60 Hz shall be:

Nominal voltage (kV).....12,470 V.

Rated maximum voltage (kV)..... 15 kV.

2.9.2.2 Operators, Devices, and Controls

Operators and controls shall be provided for the switchgear as follows:

a. Switches shall be provided with a manual, handle-type operator or a push-button mechanical spring tripping mechanism, utilizing a stored-energy (spring-driven) mechanism to simultaneously open or close all phases. The switchgear shall be configured so that the switch actuator is padlockable, but may be accessed without opening the switch compartment doors.

2.9.2.3 Enclosures

Switchgear enclosures shall be of freestanding, self-supporting construction provided with separate incoming and outgoing compartments configured for bottom cable entry. Enclosures shall be of deadfront construction, provided with a hinged door for access to each compartment, and conform to the requirements of ANSI C57.12.28, ANSI C37.72, and IEEE C37.20.3, Category A.

2.9.3 Pad Mounted Load-Break Enclosure Cabinet

Cabinet shall be hook-stick operable, deadfront construction conforming to the requirements of IEEE C37.20.3, Category A. Cabinets shall be provided with with 200 A. loadbreak junctions and elbow-type separable loadbreak connectors, cable parking stands, and grounding lugs. The cable terminating equipments shall conform to IEEE Std 386. The cabinet shall be a 4-way.

Ratings at 60 Hz shall be:

Nominal voltage (kV).....12,470 V.

Rated maximum voltage (kV)..... 15 kV.

Rated continuous current (A).....200A."

(2) Section 16415 Page 35, paragraph 2.25.2.2, lines 2 thru 5, delete "Voltage transformers shall be of the drawout type having current-limiting fuses in both primary and secondary circuits. Mechanical interlocks shall prevent removal of fuses, unless the associated voltage transformer is in a drawout position."

b. Specifications (New and/or Revised and Reissued). Delete and substitute or add specification pages as noted below. The substituted pages are revised and reissued with this amendment.

| Pages Deleted | Pages Substituted or Added |
|---|---|
| Pricing Schedule (00010-3) | Pricing Schedule (00010-3) |

c. Drawings (Not Reissued). The following drawings are revised as indicated below with latest revision date of 30 July 2002. These drawings are not reissued with this amendment.

(1) Dwg. AF 125-20-01, Sheet C3.02, center of sheet (near drawing coordinate B-3.5), note reading "NEW BITUMINOUS PAVEMENT, UTILITY CUT, SEE SHEETS M7.02 AND C7.01", delete "M7.02" and substitute "MU.02".

(2) Dwg. AF 125-20-01, Sheet EU.01,

(a) NOTES, delete notes 5 and 6 in their entirety and substitute:

"5. NEW PAD MOUNTED SWITCH. SEE SPECIFICATIONS. SWITCH SHALL HAVE A GROUND SLEEVE INSTALLED BELOW THE CABLE SECTION TO FACILITATE CABLE

PULLING AND BENDING. SWITCH HAS TWO 600 AMP, NON-FUSED SWITCHES (S1 & S2) AND TWO 200 AMP, FUSED SWITCHES (T1 & T2). RUN 4# 4/0 ALUMINUM, STR, EPR, 15 KV from SWITCH S1 UP THE ADJACENT POLE (SEE NOTE 4)AND CONNECT.

6. REMOVE POLE AND LINE AFTER NEW UNDERGROUND FEED IN INSTALLED."

(b) NOTES, following note 8, add:

"9. JACK AND BORE OR MICROTUNNEL (DIRECTION BORING) LINE UNDER THE STREET. UNDERGROUND LINES SHALL USE RIGID CONDUIT UNDER THE STREET.

10. NEW PAD MOUNTED LOAD BREAK ENCLOSURE, 4-WAY. THE 4-WAY POSITIONS ARE AS FOLLOWS: A. FEEDER TO NEW SWITCH POSITION T1; B. FEED TO PUMPHOUSE TRANSFORMER; C. UNDERGROUND FEED WHICH HAD BEEN FROM ADJACENT OH/UG POLE; D. SPARE. THE ENCLOSURE HAS A GROUND SLEEVE INSTALLED BELOW THE CABLE SECTION TO FACILITATE PULLING AND CABLE BENDING.

11. EXISTING OH/UG POLE. UNDERGROUND LINE SHALL BE CONNECTED TO THE NEW LOAD BREAK ENCLOSURE. UNDERGROUND LINE IS #4/0 ALUMIMUM, STR, EPR 15 KV.

12. DUCT BANK SHALL BE CONCRETE ENCASED. ONE DUCT IS A SPARE AND THE OTHER CONTAINS 4#4/0 ALUMIMUM, STR, EPR, 15 KV. THE DUCTS ARE 4-INCH."

(c) ELECTRICAL SITE PLAN – AREA A.

(i) Drawing coordinate A4, provide a leadered note which states "See Note 9". The leader shall point at the UG line where it crosses Bomber Blvd. between handholes HH#4 and HH#5.

(ii) Drawing coordinate A3, provide a leadered note which states "See Note 9". The leader shall point at the DBC line where it crosses Bomber Blvd. between handholes HH#T1 and HH#T2.

(iii) Drawing coordinate A2, provide a leadered note which states "See Note 9". The leader shall point at the DBC line where it crosses Minuteman Drive between handholes HH#T2 and HH#T3.

(iv) In addition to revisions noted above, revise area around Pumphouse to the south to reflect the changes shown on the attached sketch. The changes are primarily located along Bomber Blvd.

(3) Dwg. AF 125-20-01, Sheet EU.05.

(a) Below the site plan, add the following note:

"NOTE:
1. JACK AND BORE OR MICROTUNNEL (DIRECTION BORING) LINE UNDER THE AIRCRAFT PAVING. UNDERGROUND LINES SHALL USE RIGID CONDUIT WHEN CROSSING."

(b) ELECTRICAL SITE PLAN – AREA B, drawing coordinate D4, provide a leadered note which states "See Note 1". The leader shall point at the UG line where it crosses the taxiway east of HH#10.

(4) Dwg. AF 125-20-01, Sheet AC.01, FLOOR PLAN, Pump Room 101, revise location of emergency shower symbol shown on south wall to be on the north wall as shown on Sheet M1.02 (MECHANICAL PLAN); Also revise leader to note reading "EMERGENCY SHOWER" to point to the revised emergency shower location.

(5) Dwg. AF 125-20-01, Sheet M1.01, PIPING PLAN, drawing coordinate B-4, note reading "BASKET STRAINER (SEE NOTE 4)", delete "(SEE NOTE 4)".

(6) Dwg. AF 125-90-01, Sheet A6.01, DOOR SCHEDULE, Door No. 101, under "DOOR SIZE" column, delete "PR."; and under "HDWR SET" column, delete "HW-1" and substitute "HW-2".

(7) Dwg. AF 125-30-01, Sheet EU.01.

(a) ELECTRICAL SITE PLAN EXISTING PUMPHOUSE BUILDING 407, delete the following items from the plan: line indicated to be "OHP", leadered note "NEW POLE, SEE DETAIL ON SHEET E7.01" and pole symbol, leadered note "EXISTING FRAME WITH 3-75 KVA TRANSFORMERS" and associated symbol, and leadered note "EXISTING FEED" and associated symbol.

(b) NOTES, delete Note 2 in its entirety and substitute:

"2. REMOVE EXISTING PAD MOUNTED 225 KVA TRANSFORMER AND TURN OVER TO BASE. THE SECONDARY OF THE TRANSFORMER FEEDS THE EXISTING MDP PLUS SOME LIGHTING CONTACTORS ADJACENT TO THE TRANSFORMER. THE TRANSFORMER HAS A FIBERGLASS GROUND SLEEVE BELOW IT. INSTALL NEW TRANSFORMER IN SAME LOCATION. DISCONNECT PRIMARY AND ALL SECONDARY CABLES AND PROTECT FROM DAMAGE DURING REMOVAL AND INSTALLATION OF NEW TRANSFORMER. THE UNDERGROUND PRIMARY IS 1/0 ALUMINUM, STR, EPR, 15 KV."

3. INSTALL NEW DRY TYPE TRANSFORMER ON A PAD ADJACENT TO THE OIL FILLED TRANSFORMER PAD (PLAN NORTH OF THE NEW 500 KVA). THERE ARE THREE CONDUITS STUBBED OUT 1 FT FROM THE EXISTING TRANSFORMER PAD, APPROXIMATELY 2 FT DEEP. THESE CONDUITS ARE TO CONNECT TO THE DRY TYPE: TWO TO THE SECONDARY AND ONE TO THE PRIMARY. THE CONDUITS ARE 4-INCH. THESE CONDUITS EXTEND INTO THE GROUND SLEEVE LOCATED BELOW THE OIL FILLED TRANSFORMER. EXTEND CONDUIT AND USE FLEX FOR FINAL CONNECTION. SEE NOTE 4 FOR DESCRIPTION OF CABLE ROUTINGS.

4. THERE ARE FOUR EXISTING 4" CONDUITS FROM THE LOW VOLTAGE COMPARTMENT OF THE OIL FILLED PAD MOUNTED TRANSFORMER: TWO ARE FOR THE FEED TO THE EXISTING MDP AND TWO ARE STUBBED OUT 1 FT FROM THE PAD, 3 FT DEEP. EXTEND THESE TWO CONDUITS TO THE NEW MDP (SOUTHWEST CORNER, WEST WALL OF BLDG 407). THE 480V FEED FROM THE NEW TRANSFORMER SHALL USE ONE OF THESE CONDUITS TO POWER THE NEW MDP, THE OTHER CONDUIT SHALL CARRY THE FEEDER FROM THE NEW MDP TO POWER THE DRY TYPE TRANSFORMER. EXTEND THE PRIMARY FEEDER TO THE DRY TYPE TRANSFORMER THROUGH THE GROUND SLEEVE THROUGH ONE OF THE CONDUITS DISCUSSED IN NOTE 3. THE SECONDARY FROM THE DRY TYPE SHALL USE TWO OF THE CONDUITS INDICATED IN NOTE 3 AND SPLICE TO THE EXISTING CONDUITS GOING TO THE EXISTING MDP."

(c) ELECTRICAL SITE PLAN EXISTING PUMPHOUSE BUILDING 407, at the end of leadered note reading "NEW PAD-MOUNTED TRANSFORMER" add "SEE NOTES 2, 3 AND 4."

(8) Dwg. AF 125-30-01, Sheet E4.01, GROUNDING PLAN, on the lower bottom (east part of the building), take the grounding going to the filter separators (ground rod and ground rod box and cable and related leadered notes 1, 2, 3 and mirror to have the grounding coming from the top (west) of the building. Connection to the filter separator(s) stays as shown.

(9) Dwg. AF 125-30-01, Sheet E5.01,

(a) Drawing Coordinate D4, delete note reading '2 PARALLEL FEEDER 4#4/0, 4"C' and substitute '2 PARALLEL FEEDER 4#350 MCM, 4"C'.
(b) Drawing Coordinate D4.5, delete note reading "3-75 KVA 12,470/208/120" and substitute "PAD MOUNTED 225 KVA TRANSFORMER, 12,470V – 208/120V"
(c) Drawing Coordinate B4, delete note reading '4#750 MCM, 4"C 1#1G' and substitute 'EXISTING 2[4#350 MCM, 4"C]'.
(d) Drawing Coordinate B4, delete note reading "NEW WP 200 KVA 480/208/120" and substitute "NEW WP 225 KVA 480V – 208/120V".

2. This amendment is a part of the proposing papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the request for proposal remain unchanged. If the proposals have been mailed prior to receiving this amendment, you will notify the office where proposals are received, in the specified manner, immediately of its receipt and of any changes in your proposal occasioned thereby.

a. Hand-Carried Proposals shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Proposals shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Offers will be received until 2:00 p.m., local time at place of receiving proposals, 08 AUG 2002.

Attachments:

Spec Pages listed in 1.b. above
Sketch to Dwg. AF 125-20-01, Sheet EU.01

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

30 July 2002
DRL/4547

# PRICING SCHEDULE

| Item No. | Description of Item | Estimated Quantity | Unit | Unit Price | Amount |
|---|---|---|---|---|---|
| 1. | All Work Complete for Construct Hydrant Fueling System, Excluding Items 2 and 3 below. | 1 | JOB | L.S. | $_____ |
| 2. | Remove Contaminated Soil Including Composite Testing for TPH (8015B) & VO (8260B) | | | | |
| 2a. | First 10 Cubic Yards | 10 | CY | $_____ | $_____ |
| 2b. | Over 10 Cubic Yards | 50 | CY | $_____ | $_____ |
| 3 | Remove Sludge from 50,000 gallon Fuel Storage Tanks | | | | |
| 3a. | First two (2) Fifty Five Gallon Drums | 2 | Drum | $_____ | $_____ |
| 3b. | Over two (2) Fifty Five Gallon Drums | 2 | Drum | $_____ | $_____ |
| | | TOTAL AMOUNT | | | $_____ |

NOTES:

1. All quantities are estimated except where unit is given as "job."
2. Quantities for unit priced items are estimated only and the respective unit price will prevail in the event of an overrun or underrun subject to Contract Clause "Variation in Estimated Quantities." Items 2a, 2b, 3a and 3b are subject to "Variation in Estimated Quantities for Sub-Divided Items" of Section 00800. For Item No. 3, See Section 02115A UNDERGROUND STORAGE TANK CLEANING for additional requirements.
3. Bid prices must be entered for all items of the schedule. Additions and multiplications will be subject to verification by the Government. In case of variation between the lump-sum prices and the total amount, the lump-sum prices will be considered the amount proposed In case of variation between the unit prices and the extensions, the unit prices will be considered the proposed unit price.

PUMP HOUSE

GEN. BLD.

EPDS

HH#T1

SEE NOTE 7

SEE NOTE 1

SKETCH FOR AMENDMENT
30 JULY 2002
AF 125–20–01, EU.01

SEE NOTES 6 & 11

SEE NOTE 10

SEE NOTE 6

SEE NOTE 12

SEE NOTE 6

SEE NOTE 5

SEE NOTE 4